



## Create Waste Transfer and Waste Management Reports

Create a **WASTE MANAGEMENT REPORT** with TRI Explorer

Create a **WASTE TRANSFER REPORT** with TRI Explorer

Create a **LIST OF CHEMICALS TRANSFERRED INTO YOUR STATE** with Envirofacts

Create a **LIST OF CHEMICALS RELEASED TO YOUR CITY'S WASTEWATER TREATMENT PLANT**



# Create a WASTE MANAGEMENT REPORT with TRI EXPLORER

Toxics Release Inventory: It's On-Line! It's Easy! It's Your Right to Know!

Learn more about the chemicals that are recycled, burned for energy recovery, treated, or released to the environment - *all in one easy to generate* TRI WASTE MANAGEMENT REPORT! With this report you can examine the pollution prevention efforts and waste management techniques of manufacturing and other industrial sectors. How do facilities in your community manage their chemical waste?

Learn more about waste management in your community with a  
**TRI WASTE MANAGEMENT REPORT!**

This is what your TRI WASTE MANAGEMENT REPORT will look like...

EPA TRI Explorer Report (USCH) - Microsoft Internet Explorer

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## Waste Quantity: Chemical Report

Data source: Release Year 2002 data set frozen on April 1, 2004 and released to the public June 23, 2004 [See Note](#) [Go To New Report](#)

Quantities of TRI Chemicals in Waste (in pounds), for facilities in All Industries, for All Chemicals, U.S., 2002

Row #	Chemical	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Disposed or Otherwise Released On- and Off-site	Total Production-related Waste Managed	Non-production-related Waste Managed
1	1,1,1,2-TETRACHLOROETHANE	9,326,421	2,106	0	0	3,091,911	113,836	2,594	12,536,867	1,690
2	1,1,1-TRICHLOROETHANE	846,208	27,221	1,780,104	983,388	4,138,013	326,590	271,123	8,372,647	53,510
3	1,1,2,2-TETRACHLORO-1-FLUOROETHANE	0	0	0	0	0	28,634	30	28,664	0
4	1,1,2,2-TETRACHLOROETHANE	11,506,367	28,849	1,311,910	0	9,707,905	182,400	4,481	22,741,913	11,980
5	1,1,2-TRICHLOROETHANE	55,122,040	3,321,675	5,069,756	0	34,539,452	1,335,322	29,979	99,418,224	14,023
6	1,1-DICHLORO-1,2,2,3,3-PENTAFLUOROPROPANE	0	0	0	0	0	0	400	400	0
7	1,1-DICHLORO-1,2,2-TRIFLUOROETHANE	0	0	0	0	0	0	400	400	0
8	1,1-DICHLORO-1-FLUOROETHANE	739,012	127,530	0	672,880	378,148	171,916	7,116,214	9,205,700	188
9	1,1-DIMETHYL HYDRAZINE	0	0	11	1,920	107,608	3,106	569	113,214	0
10	1,2,3-TRICHLOROPROPANE	18,160,905	0	20,051,810	0	15,567,930	4,307,556	97,972	58,186,173	21
11	1,2,4-TRICHLOROBENZENE	30,703	22,194	112,890	29,009	1,467,359	133,004	42,653	1,837,813	700
12	1,2,4-TRIMETHYLBENZENE	9,654,040	2,797,655	9,176,880	3,766,585	14,131,637	731,284	7,438,672	47,696,553	99,008
13	1,2-BUTYLENE OXIDE	101,330	170	243,767	358,256	70,888	5,368	6,171	785,950	0
14	1,2-DIBROMO-3-CHLOROPROPANE	0	0	0	0	33,279	103	19	33,401	0
15	1,2-DIBROMOETHANE	97	0	0	18,020	65,590	562	11,466	95,735	1

Turn the page... find out how to create your own TRI WASTE MANAGEMENT REPORT in minutes!



## To create your own TRI WASTE MANAGEMENT REPORT, follow these easy steps:

1. Go to EPA's TRI Explorer at [www.epa.gov/triexplorer](http://www.epa.gov/triexplorer).
2. From the horizontal menu tabs near the top of the page, select the "Waste Quantity Reports" tab.
3. TRI Explorer will be automatically set to generate a **TRI WASTE MANAGEMENT CHEMICAL REPORT**. If you click on "Generate Report," you will receive a list of the chemicals and quantities that were recycled, burned for energy recovery, treated, and disposed or released on- and off-site.

Your **TRI WASTE MANAGEMENT CHEMICAL REPORT** will automatically be sorted alphabetically by chemical. You can quickly and easily sort this chemical list by quantities recycled, burned for energy recovery, treated, and disposed or released on- and off-site by clicking on the arrows at the top of each column.

## Customize your TRI WASTE MANAGEMENT REPORT...

- ✓ **Find out which facilities in your state are recycling and burning their waste for energy recovery with a TRI WASTE MANAGEMENT FACILITY REPORT.** To generate a **TRI WASTE MANAGEMENT FACILITY REPORT**, click on "Facility" under "Reports" on the left-hand side of the screen. You can further customize this search by selecting a specific industry under "Industry" or specific chemicals under "Chemical Released."
- ✓ **Were more chemicals recycled in 2000 than in 1990? Find out with a TRI WASTE MANAGEMENT TREND REPORT.** To generate a **TRI WASTE MANAGEMENT TREND REPORT**, click on "Trends" under "Reports" on the left-hand side of the screen. You can further customize this search by selecting a specific state under "Geographic Location" or specific chemicals under "Chemicals Released."

## What you can do. TAKE ACTION! You are a full partner in environmental protection.

- ✓ **Assess the situation yourself.** How do facilities in your state compare with similar industrial facilities nationwide? Make a comparison with a **TRI WASTE MANAGEMENT FACILITY REPORT** for a specific industrial sector.
- ✓ **Start a dialogue with facilities in your state.** Encourage facilities to improve their recycling and chemical management programs. Let facilities know you appreciate their recycling and energy recovery efforts!
- ✓ **Work with your local government** to improve government policies and create incentives for recycling, energy recovery, and pollution prevention.



# Create a WASTE TRANSFER REPORT with TRI EXPLORER

Toxics Release Inventory: It's On-Line! It's Easy! It's Your Right to Know!

Learn more about chemical wastes transferred to off-site facilities for recycling, energy recovery, treatment, and to publicly-owned treatment works (POTWs). WASTE TRANSFER REPORTS allow you to generate a TRI report of the:

- ✓ Top chemicals transferred for recycling, energy recovery, and treatment;
- ✓ Top facilities transferring chemicals for recycling, energy recovery, and treatment; and
- ✓ Top states with facilities transferring chemical waste for further waste management.

Learn more about chemical waste transfers and management on the web with a made-to-order TRI WASTE TRANSFER REPORT!

This is what your TRI WASTE TRANSFER REPORT will look like...

EPA TRI Explorer Report (USCH) - Microsoft Internet Explorer

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## Waste Transfer: Chemical Report

Data source: Release Year 2002 data set frozen on April 1, 2004 and released to the public June 23, 2004 [See Note](#) [Go To New Report](#)

TRI Transfers Off-site for Further Waste Management (in pounds), for facilities in All Industries, for All Chemicals, U.S., 2002

Row #	Chemical	Transfers to Recycling	Transfers to Energy Recovery	Transfers to Treatment	Transfers to POTWs Non Metals	POTWs (Metal and Metal Compounds)	Other Off-site Transfers	Transfers Off-Site for Disposal or Other Releases	Total Transfers Off-site for Further Waste Management
1	1,1,1,2-TETRACHLOROETHANE	2,106	0	115,445	5	.	0	337	117,893
2	1,1,1-TRICHLOROETHANE	27,225	982,514	328,592	824	.	0	1,183	1,340,339
3	1,1,2,2-TETRACHLORO-1-FLUOROETHANE	0	0	28,633	0	.	0	0	28,633
4	1,1,2,2-TETRACHLOROETHANE	28,849	0	189,348	0	.	250	108	218,555
5	1,1,2-TRICHLOROETHANE	3,321,675	0	1,338,826	0	.	0	570	4,661,071
6	1,1-DICHLORO-1,2,2,3,3-PENTAFLUOROPROPANE	.	.	.	.	.	.	.	.
7	1,1-DICHLORO-1,2,2-TRIFLUOROETHANE	0	0	0	0	.	0	0	0
8	1,1-DICHLORO-1-FLUOROETHANE	127,530	672,860	166,768	2,739	.	0	260,382	1,230,299
9	1,1-DIMETHYL HYDRAZINE	0	1,921	3,103	0	.	0	10	5,034
10	1,2,3-TRICHLOROPROPANE	0	0	4,320,556	0	.	0	0	4,320,556
11	1,2,4-TRICHLOROBENZENE	22,194	29,059	134,027	255	.	0	3,300	188,836
12	1,2,4-TRIMETHYLBENZENE	2,874,517	3,678,790	606,824	104,465	.	0	119,546	7,384,141
13	1,2-BUTYLENE OXIDE	170	358,248	5,388	0	.	0	0	363,806
14	1,2-DIBROMO-3-CHLOROPROPANE	0	0	103	0	.	0	255	358
15	1,2-DIBROMOETHANE	0	18,020	566	5	.	0	255	18,846

Done Internet

Turn the page... find out how to create your own TRI WASTE TRANSFER REPORT in minutes!



## To create your own TRI WASTE TRANSFER REPORT, follow these easy steps:

1. Go to EPA's TRI Explorer at [www.epa.gov/triexplorer](http://www.epa.gov/triexplorer).
2. From the horizontal menu tabs near the top of the page, select the "Waste Transfer Reports" tab.
3. TRI Explorer will be automatically set to generate a **TRI WASTE TRANSFER CHEMICAL REPORT**. If you click on "Generate Report," you will receive a list of the chemicals and quantities that were transferred to off-site facilities for recycling, energy recovery, treatment, and to publicly-owned treatment works (POTWs). POTWs are municipal or public service district sewage treatment facilities.

You can quickly and easily sort this chemical list by transfers for recycling, energy recovery, to POTWs, and total transfers for further waste management by clicking on the arrows at the top of each column.

## Customize your TRI WASTE TRANSFER REPORT...

- ✓ **Find out which facilities are transferring waste for recycling and energy recovery with a TRI WASTE TRANSFER FACILITY REPORT.** To generate a **TRI WASTE TRANSFER FACILITY REPORT**, click on "Facility" under "Reports" on the left-hand side of the screen. You can further customize this search by selecting a specific industry under "Industry" or specific chemicals under "Chemical Released."
- ✓ **What types of industries transfer the most metals and chemicals to municipal sewage treatment facilities?** Find out with a **TRI WASTE TRANSFER INDUSTRY REPORT**. To generate a **TRI WASTE TRANSFER INDUSTRY REPORT**, click on "Industry" under "Reports" on the left hand side of the screen. You can further customize this search by selecting specific chemicals under "Chemicals Released."

## What you can do. TAKE ACTION! You are a full partner in environmental protection.

- ✓ **Learn more about chemicals recycled, burned for energy recovery, and treated on-site at facilities with a TRI WASTE MANAGEMENT REPORT!**
- ✓ **Assess the situation yourself.** How do facilities in your state compare with similar industrial facilities nationwide? Make a comparison with a **TRI WASTE TRANSFER FACILITY REPORT** and **TRI WASTE MANAGEMENT FACILITY REPORT** for a specific industry.
- ✓ **Start a dialogue with facilities in your state.** Encourage facilities to improve their recycling and chemical management programs. Let facilities know you appreciate their recycling and energy recovery efforts!
- ✓ **Work with your local government** to improve government policies and create incentives for recycling, energy recovery and pollution prevention.



# Create a LIST OF CHEMICALS TRANSFERRED INTO YOUR STATE with Envirofacts

**Toxics Release Inventory: It's On-Line! It's Easy! It's Your Right to Know!**

Facilities frequently transfer chemical waste to out-of-state locations for disposal, treatment, incineration, energy recovery, or recycling. The TRI includes this information on chemical transfers! With an EZ Query in Envirofacts, you can create a list of chemicals transferred into your state for further waste management or disposal!

**To create a LIST OF CHEMICALS TRANSFERRED INTO YOUR STATE, follow these easy steps:**

1. Go to EPA's Envirofacts Warehouse at [www.epa.gov/enviro](http://www.epa.gov/enviro).
2. From the blue sidebar on the left side of the screen, click on "Queries, Maps, and Reports."
3. Under Queries, you'll see the heading "Toxics Release Inventory" followed by several query options. Select "TRI EZ" to easily create this custom report.
4. Scroll down the page and begin the three step process to create your own EZ TRI query. Begin with Step 1: Start by selecting one view to be the focus of your query. For this search:
  - Click on "Chemical Transfer to Outside Location."

This will create a report of toxic chemicals transferred to off-site locations other than POTWs. These off-site locations may include municipal landfills, hazardous waste facilities, recycling and treatment facilities. The list will not include POTWs (Publicly-Owned Treatment Works) which are municipal or public service district sewage treatment systems.

5. In Step 2, select the columns (data elements or fields) for your search by clicking in the square box next to the column name. For this search:
  - Click in the box for "TRI Facility ID."
  - Click in the box for "Facility Name."
  - Click in the box for "Reporting Year."
  - Click in the box for "Chemical Name."
  - Click in the box for "Transfer Estimate Amount."

*Wait... don't go to Step 3 yet! We're not done selecting the columns! Turn this page!*



5. *Continued*

Finish selecting the columns (data elements or fields) for your search in Step 2. For this search also select these data elements:

- Click in the box for "Street Address."
- Click in the box for "City Name."
- Click in the box for "State Abbreviation."
- Click in the box for "Transfer City Name."
- Click in the box for "Transfer State Abbreviation."
- Click in the box for "Off Site Name."
- Click in the box for "Off Site Street Address."
- Click in the box for "Type of Waste Management."
- Click in the box for "Code Expansion for Type of Waste Management."

Then go to Step 3: Enter Search Criteria.

6. In Step 3, you can enter the search criteria and organize the output. To create a list of chemicals transferred to your city's wastewater treatment plant, enter the following:

<u>Column Name</u>	<u>Operator Definition</u>	<u>Search Value</u>
Reporting Year	Equal to	Select any year (e.g. 2001)
State Abbreviation*	Not Equal to	Select any state (e.g. CO)
Transfer State Abbreviation*	Equal to	Select any state (e.g. CO)

\*In the example given, this search will create a list of the facilities outside of Colorado that transferred chemicals into Colorado in 2001.

Then click on "Search Database" at the bottom of the page. All of the data that meet your search criteria will be returned to the screen.

## ***Import these data into a database...***

You can easily import these data into a spreadsheet, such as Microsoft Excel, by creating a comma separated value (.csv) file. To create a csv file, click on "Output to CSV File" at the bottom of the results page. A new web page will appear. The new .csv file will be a string of numbers like 154730355.csv. Click on that file name to begin downloading the file onto your computer.



# Create a LIST OF CHEMICALS TRANSFERRED TO YOUR CITY'S WASTEWATER TREATMENT PLANT with Envirofacts

**Toxics Release Inventory: It's On-Line! It's Easy! It's Your Right to Know!**

The TRI includes information on chemicals transferred from facilities to municipal wastewater treatment plants! Find out what toxic chemicals are sent to your municipal wastewater plant with an EZ Query in Envirofacts!

**To create a LIST OF CHEMICALS TRANSFERRED TO YOUR CITY'S WASTEWATER TREATMENT PLANT, follow these easy steps:**

1. Go to EPA's Envirofacts Warehouse at [www.epa.gov/enviro](http://www.epa.gov/enviro).
2. From the blue sidebar on the left side of the screen, click on "Queries, Maps, and Reports."
3. Under Queries, you'll see the heading "Toxics Release Inventory" followed by several query options. Select "TRI EZ" to easily create this custom report.
4. Scroll down the page and begin the three step process to create your own EZ TRI query. Begin with Step 1: Start by selecting one view to be the focus of your query. For this search:
  - Click on "POTW Transfer Locations."

A POTW (Publicly-Owned Treatment Works) is a municipal or public service district sewage treatment system.

5. In Step 2, select the columns (data elements or fields) for your search by clicking in the square box next to the column name. For this search:
  - Click in the box for "TRI Facility ID."
  - Click in the box for "Facility Name."
  - Click in the box for "Reporting Year."
  - Click in the box for "Chemical Name."
  - Click in the box for "Street Address."
  - Click in the box for "City Name."
  - Click in the box for "State Abbreviation."
  - Click in the box for "POTW Name."
  - Click in the box for "POTW Street Address."
  - Click in the box for "POTW City Name."
  - Click in the box for "POTW State Abbreviation."
  - Click in the box for "POTW Zip Code."

Then go to Step 3: Enter Search Criteria.



6. In Step 3, you can enter the search criteria and organize the output. To create a list of chemicals transferred to your city's wastewater treatment plant, enter the following:

<u>Column Name</u>	<u>Operator Definition</u>	<u>Search Value</u>
Reporting Year	Equal to	Select any year (e.g. 2001)
State Abbreviation	Equal to	Select any state (e.g. CA)
POTW City Name	Equal to	Select any city within the specified state
POTW State Abbreviation	Equal to	Select the state (e.g. CA)

Then click on "Search Database" at the bottom of the page. All of the data that meet your search criteria will be returned to the screen.

### ***Import these data into a database...***

You can easily import these data into a database, such as Microsoft Excel, by creating a Comma Separate Value (.csv) file. To create a csv file, click on "Output to CSV File" at the bottom of the results page. A new web page will appear. The new .csv file will be a string of numbers like 154730355.csv. Click on that file name to begin downloading the file onto your computer. Next,

1. If you have MS Excel on your computer, the data will be displayed in a spreadsheet format within your Internet browser. If it is displayed in the browser, click on "File" on the menu bar. Then click "Save as". You can rename the file from a string of numbers to something more meaningful. You can also save the file as a Microsoft Excel Workbook (\*.xls) in a directory on your computer.
2. If you don't have Microsoft Excel on your computer, the data will be displayed in text format within your Internet browser. Click on "File" on the menu bar. Then click "Save as". You can rename the file from a string of numbers to something more meaningful. Save the file in a directory on your computer. The file will be saved as a comma separated value (.csv) file. Most desktop tools recognize .csv files and will open them easily.

### ***Explore! Try these other chemical transfer queries...***

- √ Focus your query on "Chemical Transfer to Treatment Works" in Step 1 of Envirofact's EZ Query! With this selection **you can create a list of the facilities transferring chemicals, the chemicals transferred and the amount of chemical transferred**. This report does not include the name and address of the POTW.
- √ **What about other chemical transfers?** Focus your query on "Chemical Transfers to Outside Location" in Step 1 and learn what other facilities are receiving chemical waste for treatment, incineration, energy recovery, recycling, or disposal.